

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 6.1.3
Date: 07/18/2017 10:36 AM
Cytometer Baseline: 07/17/2017 11:48 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads, **Part #:** 910723
Lot ID: 25720, **Expiration Date:** 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124185	-1	1.28	124029	1.24
Blue	F	SSC	125000	123086	-2	2.96	123393	2.76
Blue	E	FITC	23795	23138	-3	2.44	1034	10.33
Blue	D	PE	29673	29220	-2	1.92	1051	9.80
Blue	B	PerCP-Cy5-5	48943	48294	-2	3.38	1384	16.85
Blue	A	PE-Cy7	44112	43365	-2	5.19	668	36.63
Red	C	APC	54273	53543	-2	2.68	3084	9.57
Red	A	APC-Cy7	54945	53898	-2	2.68	1120	11.11
Violet	B	V450	15756	15102	-5	3.01	720	8.22
Violet	A	V500	62569	60784	-3	2.79	2697	5.96

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19267	2.98	610	-4	N/A	N/A	Pass
Blue	F	SSC	61129	1.34	544	-2	N/A	N/A	Pass
Blue	E	FITC	115	38.75	548	-2	0.0202	133	Pass
Blue	D	PE	230	28.64	546	0	0.1564	222	Pass
Blue	B	PerCP-Cy5-5	217	44.66	636	-3	0.0102	95	Pass
Blue	A	PE-Cy7	74	119.65	692	-7	0.0111	12	Pass
Red	C	APC	363	26.74	597	-3	0.0194	0	Pass
Red	A	APC-Cy7	123	40.18	574	-10	0.0056	1550	Pass
Violet	B	V450	88	39.25	471	-1	0.0517	1785	Pass
Violet	A	V500	196	21.65	499	0	0.0138	97	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.27	-31.67	0.87
Blue	20.35	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.31
Red	18.01	13.27 - 19.91	N/A	N/A	31.63	32.19	1.15

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 11316

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.70

Comments